Metaserver New Independent Claims

- 1. A data processing system, comprising:
- a plurality of event modules each including code that generates an event data signal representative of a particular event;
 - a plurality of scripts each having a plurality of instructions;
- a plurality of processing modules distributed over said data processing system each including code that provides processed data; and

a task module, selectively communicating with each of said plurality of event modules and said plurality of distributed processing modules, said task module including code for selecting and instantiating one of said plurality of scripts that corresponds to said event data signal and for providing said instance of said selected script to one of said plurality of distributed processing modules for executing a current one of said plurality of instructions;

wherein during execution of said instance of said selected script said task module provides dynamic information regarding status of said distributed processing modules and said processed data to said instance of said selected script for incorporation therein, in response to said dynamic information and upon completion of said currently executing instruction, said task module and said plurality of distributed processing modules evaluate said dynamic information and selectively provide said instance of said selected script to one of said distributed processing modules for executing a next instruction within said instance of said selected script.

133+2.

2. A data processing system, comprising:

a plurality of event modules each including code that generates an event data signal representative of a particular event;

a plurality of scripts each having a plurality of instructions;

a plurality of processing modules distributed over said data processing system each including code for performing data processing functionality to provide processed data;

a task module, selectively communicating with each of said plurality of event modules and said plurality of distributed processing modules, said task module including code for selecting and instantiating one of said plurality of scripts that corresponds to said event data signal and for selectively providing said instance of said selected script to one of said distributed processing modules for executing an instruction within said instance of said selected script; and

a resource management module communicating with each of said plurality of event modules, said task module and said plurality of distributed processing modules, said resource management module including code for monitoring event data signals generated by said plurality of event modules and not processed by said task module and a number of said plurality of distributed processing modules available for performing particular data processing functionality, and for converting data processing functionality of said plurality of distributed processing modules in response to dynamic information regarding said monitored event data signals and said number of available distributed processing modules to maximize a number of said distributed processing modules processing said event data signals.

3. A data processing system, comprising:

a plurality of event modules each including code that generates an event data signal representative of a particular event;

a plurality of scripts each having a plurality of instructions;

a plurality of processing modules distributed over said data processing system each including code for performing data processing functionality to provide processed data;

a task module, selectively communicating with each of said plurality of event modules and said plurality of distributed processing modules, said task module including code for selecting and instantiating one of said plurality of scripts that corresponds to said event data signal and, during execution of said instance of said selected script, for providing dynamic information regarding status of said distributed processing modules and said processed data to said instance of said selected script for incorporation therein and, in response to said dynamic information, for selectively providing said instance of said selected script to one of said distributed processing modules for executing an instruction within said instance of said selected script; and

a resource management module communicating with each of said plurality of event modules, said task module and said plurality of distributed processing modules, said resource management module including code for monitoring event data signals generated by said plurality of event modules and not processed by said task module and a number of said plurality of distributed processing modules available for performing particular data processing functionality, and for converting data processing functionality of said plurality of distributed processing modules in response to dynamic information regarding said monitored event data signals and said number

of available distributed processing modules to maximize a number of said distributed processing modules processing said event data signals.

Metaserver - Pending Claims (with new independent claims)

Metaserver - Support for Claim Amendments

Date: 7/23/01

Text of Cla		Support in Application
1. A data pro	cessing system, comprising:	
a plurality of	of event modules each including code that	P18, L3-4
generates	an event data signal representative of a particular	1 10, 20 4
<u>ev</u> ent;		
a plurality of	of scripts each having a plurality of instructions;	P12, L16-17
ja piurality (of processing modules distributed over said data	P39, L17-23 and P19, L1-
processing	system	7
each inc	luding code that provides processed data; and	P18, L24 to P19, L1
ja task mod	ule, selectively communicating with each of said	P13, L22-25
plurality of	event modules and said plurality of distributed	1 70, 222 20
processing	modules	
said task	module including code for selecting and	P30, L8-16
Instantiating	one of said plurality of scripts that corresponds to	, 55, 25 15
said event of	data signal	
and for p	providing said instance of said selected script to one	P37, L13-23
of said plura	ality of distributed processing modules for executing	, 2.0 20
a current or	e of said plurality of instructions;	
wherein dur	ing execution of said instance of said selected	P13, L4-9 and P31, L6-11
script said to	ask module provides dynamic information	7 5, 2 7 6 and 7 61, 26-11
regarding st	atus of said distributed processing modules and	
said process	sed data to said instance of said selected script for	
incorporatio	n therein,	
in respon	se to said dynamic information and upon	P37, L10 to P38, L5
completion	of said currently executing instruction, said task	. 07, 210 (07 00, 20
module and	said plurality of distributed processing modules	
evaluate sai	d dynamic information and selectively provide said	
instance of s	said selected script to one of said distributed	
processing r	nodules for executing a next instruction within said	
instance of s	said selected script.	
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Date: 7/23/01

	Text of Claim	Support in Application
2.	A data processing system, comprising:	
	a plurality of event modules each including code that	P18, L3-4
ĺ	generates an event data signal representative of a particular	
	event;	
1	a plurality of scripts each having a plurality of instructions;	P12, L16-17
	a plurality of processing modules distributed over said data	P39, L17-23 and P19, L1-
	processing system	7
	each including code for performing data processing	P18, L24 to P19, L1
1	functionality to provide processed data;	
	a task module, selectively communicating with each of said	P13, L22-25
	plurality of event modules and said plurality of distributed	
1	processing modules,	
	said task module including code for selecting and	P30, L8-16
	instantiating one of said plurality of scripts that corresponds to	
	said event data signal	
ĺ	and for selectively providing said instance of said selected	P37, L10 to P38, L5
	script to one of said distributed processing modules for	-
	executing an instruction within said instance of said selected	
	script; and	
	a resource management module communicating with each of	P26, L17-23
	said plurality of event modules, said task module and said	
	plurality of distributed processing modules,	
	said resource management module including code for	P26, L24 to P27, L2
	monitoring event data signals generated by said plurality of	•
	event modules and not processed by said task module and a	
	number of said plurality of distributed processing modules	
	available for performing particular data processing	
	functionality, and	;
	for converting data processing functionality of said plurality	P27, L2-13
	of distributed modules in response to dynamic information	,
	regarding said monitored event data signals and said number	
	of available distributed processing modules to maximize a	
	number of said distributed processing modules processing said	
	event data signals.	

Metaserver - Support for Claim Amendments

Date: 7/23/01

Text of Claim	Support in Application
A data processing system, comprising:	
a plurality of event modules each including code that	P18, L3-4
generates an event data signal representative of a particular	1
levent;	ĺ
a plurality of scripts each having a plurality of instructions;	P12, L16-17
a plurality of processing modules distributed over said data	P39, L17-23 and P19, L1-
processing system	7
each including code for performing data processing	P18, L24 to P19, L1
functionality to provide processed data:	, , , , , , , , , , , , , , , , , , , ,
a task module, selectively communicating with each of said	P13, L22-25
plurality of event modules and said plurality of distributed	
processing modules,	
said task module including code for selecting and	P30, L8-16
instantiating one of said plurality of scripts that corresponds to	1
said event data signal and,	
during execution of said instance of said selected script, for	P13, L4-9 and P31, L6-11
providing dynamic information regarding status of said	, , , , , , , , , , , , , , , , , , , ,
distributed processing modules and said processed data to	
said instance of said selected script for incorporation therein	
and,	
in response to said dynamic information, for selectively	P37, L10 to P38, L5
providing said instance of said selected script to one of said	, 33, 33, 20
distributed processing modules for executing an instruction	
within said instance of said selected script; and	
a resource management module communicating with each of	P26, L17-23
and plurality of event modules, said task module and said	. 20, 211 20
plurality of distributed processing modules	
said resource management module including code for	P26, L24 to P27, L2
nonitoring event data signals generated by said plurality of	. ==, === (0 21, L2
event modules and not processed by said task module and a	
number of said plurality of distributed processing modules	
available for performing particular data processing	İ
unctionality, and	
for converting data processing functionality of said plurality	P27, L2-13
or distributed modules in response to dynamic information	1 21, 12-13
egarding said monitored event data signals and said number	J
of available distributed processing modules to maximize a	
number of said distributed processing modules processing said	
event data signals.	